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RAW SEQUENCE LISTING

DATE: 11/28/2001

PATENT APPLICATION: US/09/989,534

TIME: 10:40:05

Input Set : A:\0410008.ST25.txt

Output Set: N:\CRF3\11212001\I989534.raw

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4 <110> APPLICANT: Lowry, Charles V.
7 <120> TITLE OF INVENTION: Plasmids and Methods for Monitoring Endonuclease Digestion
8 Efficiency
10 <130> FILE REFERENCE: 0410.008
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/989,534
C--> 12 <141> CURRENT FILING DATE: 2001-11-20
12 <160> NUMBER OF SEQ ID NOS: 40
14 <170> SOFTWARE: PatentIn version 3.0
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24 <223> OTHER INFORMATION: restriction site-free nucleotide sequence corresponding to
25 nucleotides 72394-73038 of chromosome V
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29 tatataaaaa taataatggt tttacttttt taagtattgg aagtacctta gaaatcattg 60
31 actttgcccc actgccccat tttacagttg tggaaaccga ggtcatagaa ttggtaaatt 120
33 acgaagaaaa ctgtgtttcc tagtaggtct ccttgccctc actctgcctc caccaccagg 180
35 agtctctgca cccagtcctc tttctaagggt gtgtgcccac catcactccc caccgaaaaac 240
37 ctctctgtgc cctccaatgc agctagactg aagcctgtga tgtcagtgtg gtcagatccc 300
39 tgcaacctca gcttgtgttc atggcacact gtgttctctg taccctggcc ttctctctgc 360
41 tgtgtgaaca cactaaggtt taacccttcc cgttgtcttg gaggggaaaa ttctcccaga 420
43 tattcagggt tctttgtgtc attcagttct actcagctca aagggcactt cctctggggt 480
45 gccctaacc caccagaca cccaaactag atgcacaacg ctggtcactc tttcccatca 540
47 gcctgattgg atgcctotaa agcatgtacc actatctgta ccaactgctc tttattcatt 600
49 gttcatgttt attgtttgtg tccaatcact gacaggaagc tgcag 645
51 <210> SEQ ID NO: 2
52 <211> LENGTH: 553
53 <212> TYPE: DNA
54 <213> ORGANISM: H. sapiens
56 <220> FEATURE:
57 <221> NAME/KEY: misc_feature
58 <222> LOCATION: (1)..(553)
59 <223> OTHER INFORMATION: restriction site-free nucleotide sequence corresponding to
60 nucleotides 133197-133749 of chromosome V
62 <400> SEQUENCE: 2
63 aagcttttaa gacagaatca tagaccataa aactatttaa taagtacaat gtactaaaaa 60
65 tatcctttac tgagacagat tgggtgaaatt aaaagagcac cagcttaaag atcaggaagc 120
67 catagtctgt tctctgctca ggcccagcct caatcatgtg gccctgggca ggcacctcct 180
69 caacttgacc tcagttttgc cttttttaca atggtatcta taagttcttc ttggctctgc 240
71 tattctggaa ttatcttatg tagaataagt cttcccaagc tgtgtggggc ttttctctgt 300
73 agatttgagg gaagttttgt tctgttttgt tttattgttt gcttaccctg ctactgccag 360
75 tgaagtcaac actacaagca gacagtaagc caggaaacat ttctccctgt caggtcagca 420
77 catcccatca ggtggatctg gtgctcaagt ttattagatc aggagaccga tgctggggaa 480

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81 catcctgtgt aca 553
84 <210> SEQ ID NO: 3
85 <211> LENGTH: 540
86 <212> TYPE: DNA
87 <213> ORGANISM: H. sapiens
89 <220> FEATURE:
90 <221> NAME/KEY: misc_feature
91 <222> LOCATION: (1)..(540)
92 <223> OTHER INFORMATION: restriction site-free nucleotide sequence corresponding to
93     nucleotides 75726-76265 of chromosome V
96 <400> SEQUENCE: 3
97 tcatgaggtc aggagattga gaccatcctg gctaacacgg tgaaacccca tctctactaa 60
99 aaatacaaaa aattagccgg gcgtggtggt gggcacctgt agtcccaact actcgggagg 120
101 ctgaggcagg agaatggcat gaacctggga ggcagagctt gcagtgagcc tcagattgca 180
103 ccactgcact ccagcctggg caacagaatg agactccatc tcaaaaaaaaa aaaaaaacia 240
105 cttgtccaag tttatatggc ctggtacagg caggatttag gcaactgaat ccacaggtgc 300
107 tgctgaacca ccaggagacc tgctgoccaa gtaactgcaa acggggcacc agggactgtc 360
109 taggaccaca ggtcgagttc cacctctgcc aacctagttt gttagccctt ccttccttcc 420
111 ttccttctct cctccttctt tttctgttct tgctgcccag ctttctctct tctacatttc 480
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117 <211> LENGTH: 536
118 <212> TYPE: DNA
119 <213> ORGANISM: H. sapiens
121 <220> FEATURE:
122 <221> NAME/KEY: misc_feature
123 <222> LOCATION: (1)..(536)
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131 ttctttcac ccatgtgaa tcagattcag ttgcttcaca tttcttcac tgctcttacc 120
133 actgcccgat attatattac agttgtgagt tttgcacctc ttatattaag acagtgtctg 180
135 ccacatagta agcacttagt atttgctgaa agttgtaaaa gtgcatcaat gagtatccca 240
137 cagtgcgggg cacataatag atattccata aattgttgta aaatagcatt tcctctctgt 300
139 ccagggaaca gggatgaggg tggataaaat ggggagcatt ttgttcaggg atgttttctg 360
141 gatgtggcat ttgagctaga ccttaaaaga tggagtacaa ttccacaagg aaggcttagt 420
143 agttgggcat tccaaacaaa aaggacaggt gtttagacat ggaaagcatt agggacattt 480
145 gagaaattgg gaatagctca gtttagctgg cagactggaa atacaaagag gaattc 536
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151 <211> LENGTH: 514
152 <212> TYPE: DNA
153 <213> ORGANISM: H. sapiens
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <222> LOCATION: (1)..(514)
159 <223> OTHER INFORMATION: restriction site free nucleotide sequence corresponding to
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164 agtactttatt acatttttagg tcttatttta ttgtctgtgt tcctctccat tcccaccaac 60
166 tagggcctga cacatagggg ttcaataatt gtcaagtgat tgacagaatg aatgaatgga 120
168 tggatgagtg aaaaagtctc tccatttcca gtgtgtattc tctctaatat cttctacatt 180
170 ctacactgaa attgtctttt tgaaagcctg gacttcttca gtggcttgtc attgccagtg 240
172 gataaaatgc agacttttca tctgtgcatt caagaactac cacatatagt ctgagcctac 300
174 cattttctctt tttttttttt ttttagatgga gcctttctct gctgcccagg ctggagtgca 360
176 gtggcatggt ctggttcac tgcaacctct gcctgttggg tgcaagagat tctcctgcct 420
178 cagcctcctg agtagctggg attacaggca cccaccacca caccagcta atttttgtat 480
180 ttttagtaga gatggagttt caccatgttg gccca 514
183 <210> SEQ ID NO: 6
184 <211> LENGTH: 507
185 <212> TYPE: DNA
186 <213> ORGANISM: H. sapiens
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (1)..(507)
191 <223> OTHER INFORMATION: restriction site free nucleotide sequence corresponding to
192 nucleotides of Chromosome V
195 <400> SEQUENCE: 6
196 gaattcatgt taatccacat agagaattga gagatcagag ccttcaataa atgccaacca 60
198 acattttacag tgtattgtct gtcagcacag tgctgtgaca gtgctgggga taaaacaaca 120
200 cagacgccag ggcacagac cctaccccca cggttgcttt atgtactctc agggcacagg 180
202 gacgctttca ttctgtgctc ttatcacact gacttgtgtc atctcttgac tgtcagtctc 240
204 tcccactgaa ctacaaacct tttgagagca gaagcccttt ttcttttatt gttttctcag 300
206 catttcatat cctattgcac aaatcaggac ttggcacata atagatgctc cataagtaat 360
208 ggttgataaa atgaataaat acatagtacc cgtattagtt tgctagggct tccataacaa 420
210 aataccacag cctgggtggc ttacacaatg gaattttatt ttctcatggt cttggagggt 480
212 ggaagtccaa gatcaagggt cctgcag 507
215 <210> SEQ ID NO: 7
216 <211> LENGTH: 488
217 <212> TYPE: DNA
218 <213> ORGANISM: H. sapiens
220 <220> FEATURE:
221 <221> NAME/KEY: misc_feature
222 <222> LOCATION: (1)..(488)
223 <223> OTHER INFORMATION: restriction site free nucleotide sequence corresponding to
224 nucleotides of Chromosome V
227 <400> SEQUENCE: 7
228 aaatttacgc agaagcagga tacagaaagc agccagaagt ggagcagcac cagccggggt 60
230 ggggaccaag acctcccacc ctcttggtg tctgtctgcc tttgaggtcc ctctgcaaaa 120
232 gtggcgctct gctgagcaaa gtaatccctc agggcactcc aactctgaga cagaatgatt 180
234 tatagccctg ttaatccacc aggctgtcaa aaacggccac atcagcagac atacacagag 240
236 acatgcagtc acatacactc aggacaaaaa ataagcccca gaaactgctt gagcaagctc 300
238 aggcttttct ctagcacctt cctcatttgt tcaagttttt gccatcttta ttttcatttc 360
240 ctggttttct ctacatcctt tcctottttc cctccaagt tactaaaaat tctaacaatt 420
242 tctactttta cttctttgtt gttatctgcg gcacatcgtt gccccacccc cactcttggt 480
244 cgctatag 488
249 <210> SEQ ID NO: 8

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254 <220> FEATURE:
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256 <222> LOCATION: (1)..(477)
257 <223> OTHER INFORMATION: restriction site free nucleotide sequence corresponding to
258     nucleotides of Chromosome V
262 <400> SEQUENCE: 8
263 ttgcaagctg gagacccaga aaaactgata atgtagtaca agtccaaaca ttggcagact    60
265 tgagacctgg gaagagccaa tgttttagtt taagtctgtc agtaaaaaga aaccaatgtg   120
267 ccagctcaaaa ggcagacaag catgggaatt ttctattata gggaggaagg tcagcctttt   180
269 ttccctattc aggtcttcaa tggattggac gggaaccatc cacattaggg agggcaatct   240
271 gctttactta gtctcccaaa tcaaattgta atctcatcca gaaatatcag cacacacaac   300
273 cttagaataa tgtctgacca aatgtctggg caccacaatg ctcagtcaag ttgacacata   360
275 aaattaacca tcaattggcc ggacgctgtg gtcacacct gttatcccag cactttgggt   420
277 gggtggaatc cctgaggttc cttaggaatg taaagaggtg agcacttaga atctaga     477
280 <210> SEQ ID NO: 9
281 <211> LENGTH: 465
282 <212> TYPE: DNA
283 <213> ORGANISM: H. sapiens
285 <220> FEATURE:
286 <221> NAME/KEY: misc_feature
287 <222> LOCATION: (1)..(465)
288 <223> OTHER INFORMATION: restriction site free nucleotide sequence corresponding to
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292 <400> SEQUENCE: 9
293 aagcttacaa cttgctggtg ctgtttcctg ggatttactc cctgctctgg agtatctcta    60
295 aacctttgga ggtgctacca catgcccac cctcacccca ggttttgatg accaccccat   120
297 cttttaggag ttccccttat ttttatatcc tcatccttc tctatccatg ctcagtcatg   180
299 gtcaatgtga aatctgtgct gtggctttcc tggcttggct cttcatagat aaacctataa   240
301 agccaagatt tgagaaatct ttctctctct ctctctctct ctctctctct ctctcaataa   300
303 agttggtggt cttttttttt tcttttagcaa attggcaaca tttcctatca gattatgtat   360
305 tgttcacagg ctatacaaac tctaggaact atcaggggtt atttggaaga aaaacaactg   420
307 gtgtactatt tttctaaata ctacacctac aaaacatcca atatt     465
311 <210> SEQ ID NO: 10
312 <211> LENGTH: 26
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: oligonucleotide used for plasmid construction
320 <400> SEQUENCE: 10
321 gaattcaaaa gtcgacaaaa ggatcc                                     26
324 <210> SEQ ID NO: 11
325 <211> LENGTH: 26
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: oligonucleotide used for plasmid construction

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334 ggatcctttt gtcgactttt gaattc 26
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343 <223> OTHER INFORMATION: oligonucleotide used for plasmid construction
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346 gagagaattc tataaagctt cgtattccaa tggggagc 38
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350 <211> LENGTH: 34
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial sequence
354 <220> FEATURE:
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358 <400> SEQUENCE: 13
359 gagagtcgac agaaaacatt ctctagggat tacg 34
362 <210> SEQ ID NO: 14
363 <211> LENGTH: 51
364 <212> TYPE: DNA
365 <213> ORGANISM: Artificial sequence
367 <220> FEATURE:
368 <223> OTHER INFORMATION: oligonucleotide used for plasmid construction
371 <400> SEQUENCE: 14
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376 <211> LENGTH: 41
377 <212> TYPE: DNA
378 <213> ORGANISM: Artificial sequence
380 <220> FEATURE:
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385 gagaggatcc tatactcgag tagaaaacca gattttgcct c 41
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389 <211> LENGTH: 45
390 <212> TYPE: DNA
391 <213> ORGANISM: Artificial sequence
393 <220> FEATURE:
394 <223> OTHER INFORMATION: oligonucleotide used for plasmid construction
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397 agcttaagca tgcggccgcc ggcggtaacc ggtaccacta gttcg 45
400 <210> SEQ ID NO: 17
401 <211> LENGTH: 45
402 <212> TYPE: DNA
403 <213> ORGANISM: Artificial sequence
405 <220> FEATURE:
406 <223> OTHER INFORMATION: oligonucleotide used for plasmid construction
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/989,534

DATE: 11/28/2001

TIME: 10:40:06

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date